

Solomon Modeling TAC Meeting

June 11, 2008

Attendees: USBR-Bill Peck; KWO-Diane Coe; DWR- Scott Voss, Tina Alder, Andrew Lyon, Tara Lanzrath, Sam Perkins; SSPA- Steve Larson, Alex Spiliotopoulos

SSPA is waiting on the updated pumping file from DWR. Once they have the updated file, they will finish calibration and be ready for future scenario model runs. The period to use for the climatic record was discussed. Steve suggested going back 35 or 40 years. This would encompass the wet years of the early 90's, but not the wet years of the 50's or 60's. 1970 was determined to be the year the climatic period would go back to, and SSPA would generate thousands of random sequences of the climatic period to look at the probability of having dry, average, or wet years. Once this is done we can select sequences for the status quo pumping scenario and the reduced pumping scenario.

A GIS coverage of marginal soils is needed to run a scenario that shuts off pumping on marginal soils. DWR will track this coverage down or create one. A GIS coverage is needed to create a mask of the area to shut down Ogallala wells for that scenario. GMD#4 will be asked about their preference as whether to look at all Ogallala wells in the model domain or only the Ogallala wells in the Solomon basin. The rest of the committee wants to look at all the Ogallala wells in the model domain.

The scenario to reduce ET was discussed. The committee decided to look at a generalized 10% reduction in ET. If this scenario is particularly useful, we can go back and look at specific areas where we want to reduce the ET.

ACTION ITEMS:

1. DWR will update the pumping file and send to SSPA.
2. DWR will track down a GIS coverage for marginal soils.

The Solomon Working Group will meet at 3:00p.m. cst on July 15th, 2008 at the Rooks County Health Department in Stockton, Kansas. Preliminary model results will be presented at that meeting.